

Alewife Sewer Separation Project

Huron A Neighborhood

Larch Rd, Grozier Rd, Standish St, Malcolm Rd, Vassal Ln

Community Meeting – December 6, 2011



Alewife Sewer Separation Project Huron A Neighborhood

Larch Rd, Grozier Rd, Standish St, Malcolm Rd, Vassal Ln
Community Meeting – December 6, 2011

- Open House 6 - 7 p.m.
- Presentation begins at 7 p.m.



Design Progress Meeting

Larch Rd, Grozier Rd, Standish St, Malcolm Rd, Vassal Ln

Agenda

- Welcome
- Project Goals and Benefits
- Huron A Project Update
- Streetscape Improvements
- Next Steps
- Comments and Questions

Goals

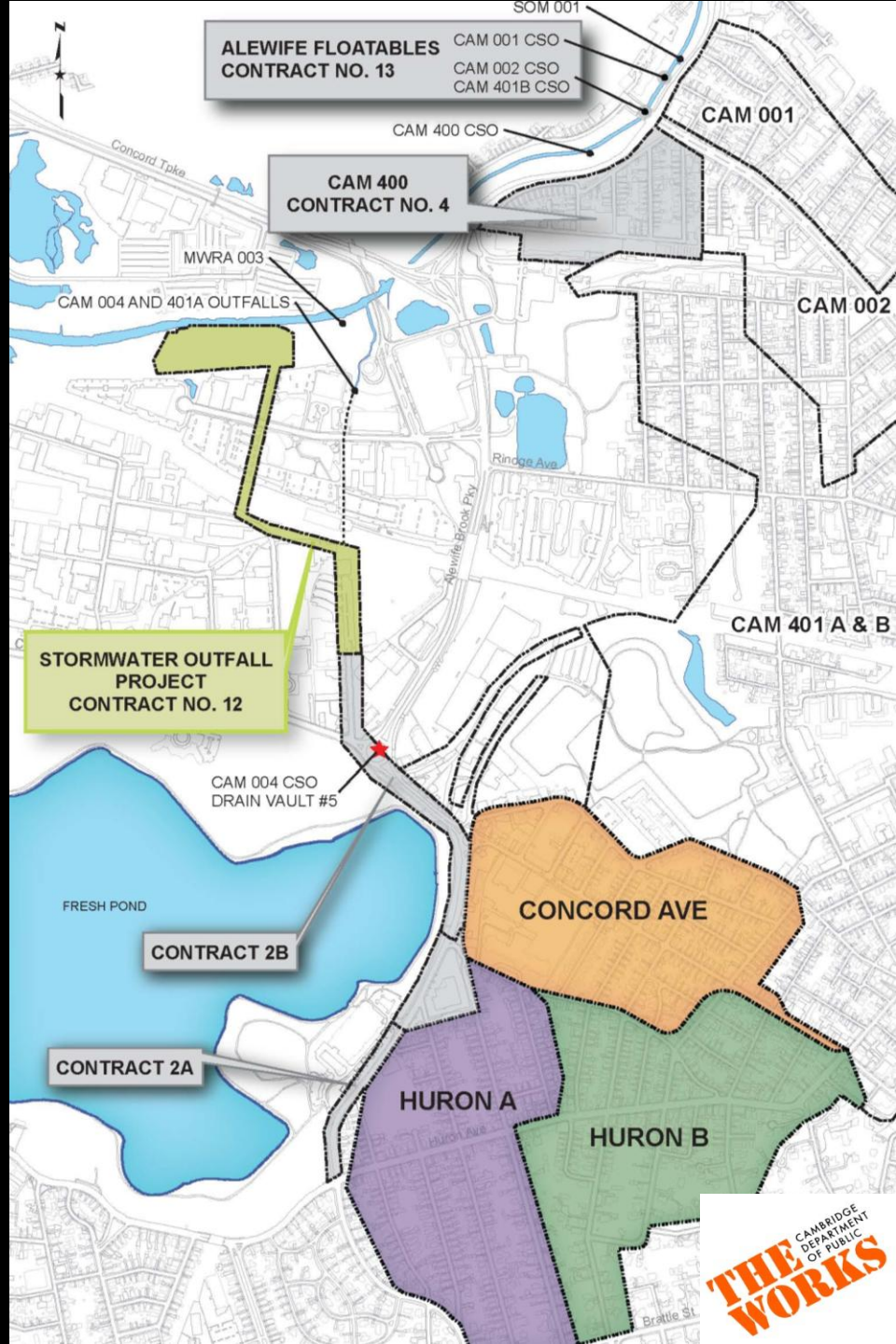
- Court-ordered clean up of Boston Harbor requires implementation of the Long Term Control Plans for Combined Sewer Overflow (CSO) for Alewife Brook
- MWRA's LTCP for Alewife Brook
 - 50 Mg → 7.3 Mg
 - 63 activations → 7 activations

Complete

- Fresh Pond Parkway (Contracts 2A & 2B) 2001
- Floatables Control (Contract 4) 2010
- Whittemore Ave/CAM 400 (Contract 13) 2011

Ongoing

- Alewife Reservation Stormwater Wetland (Contract 12) began May 2011
- Design of Sewer Separation in Huron A



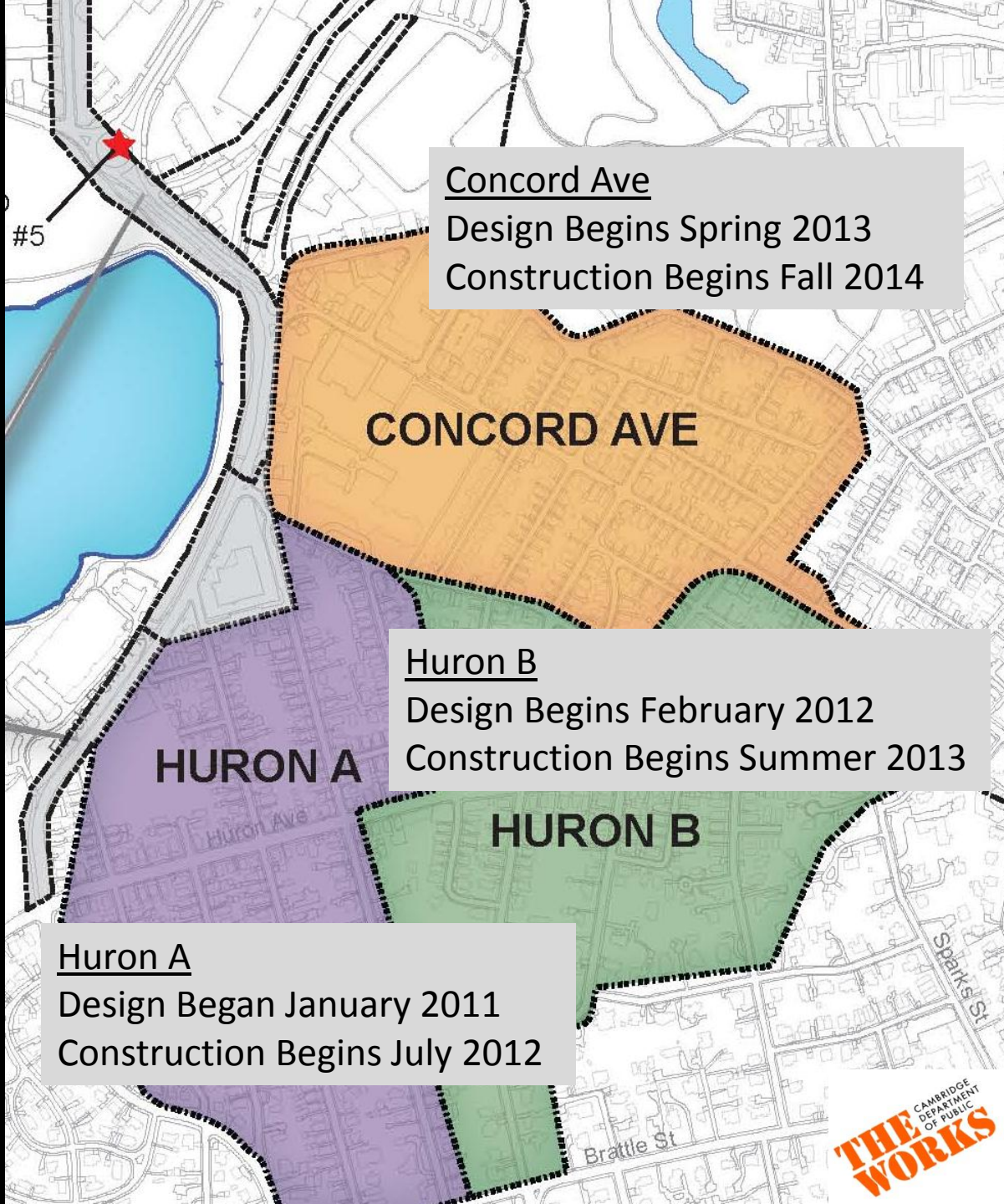
Huron/Concord Project Areas

Sewer improvements on all 3 contracts to be complete by December 2015

Surface restoration complete by 2016

Sewer separation will:

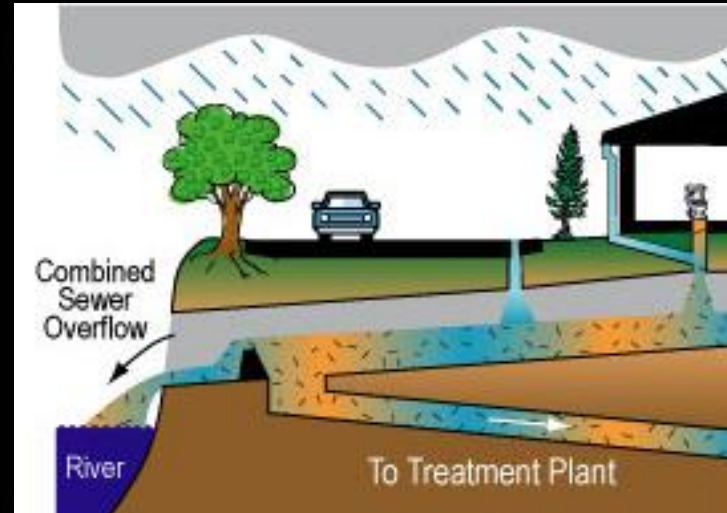
- Eliminate CSOs from this neighborhood
- Improve stormwater quality discharges to Alewife Brook
- Marginal improvement on local flooding



What is a CSO?

In wet weather –

- Combined stormwater and sewerage overwhelm the sewer
- Excess overflows into Alewife Brook



Benefits of Sewer Separation

- Improve water quality of Alewife Brook
- Improve sewer and stormwater systems level of service
- Protect Fresh Pond
- Reduced treatment costs



Additional Project Benefits

Opportunity for renewed/improved neighborhood infrastructure:

- New pavement
 - Accessible sidewalks
 - Enhanced pedestrian safety (traffic calming)
 - Healthy tree canopy
 - Plantings and green space
 - Renewed subsurface infrastructure
- *Undergrounding overhead utilities beyond scope of project





City of Cambridge

Information on Building
Inspections for Sewer
Separation Program for the
Huron A, Huron B and
Concord Ave. Neighborhoods

To Schedule an Appointment
for a Building Inspection
please call:

Christine Clancy - 617-594-1316 or
Email - christine.clancy@esacon.com

If you have any questions please feel free to contact
Catherine Daly Woodbury at the City of Cambridge:

Catherine Daly Woodbury, Project Manager
City of Cambridge DPW - 617-349-4818

PROJECT UPDATE: What has happened since last meeting

- Field Investigations
- Neighborhood tree walks
- Considered information from surveys, emails and feedback from previous meetings
- Analyzed requests for potential rain gardens, plantings

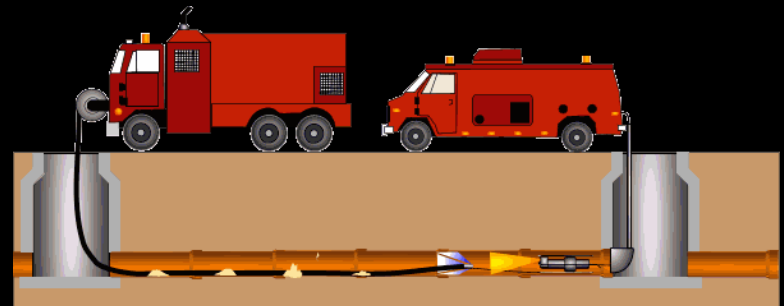
sde



WSP - SELLS



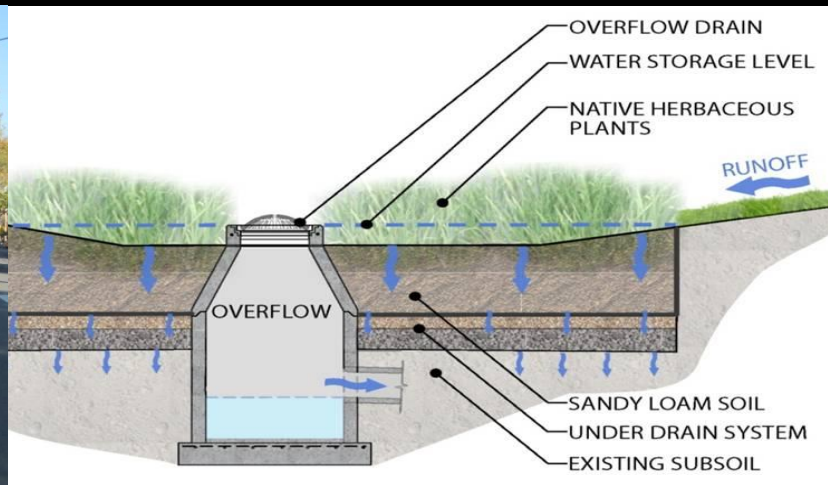
National Water Main
Cleaning Company of New Jersey
A Taping Company



THE CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Water Quality Improvements

- Tree and curb extension plantings
- Rain gardens
- Porous pavement



Streetscape - Revegetation

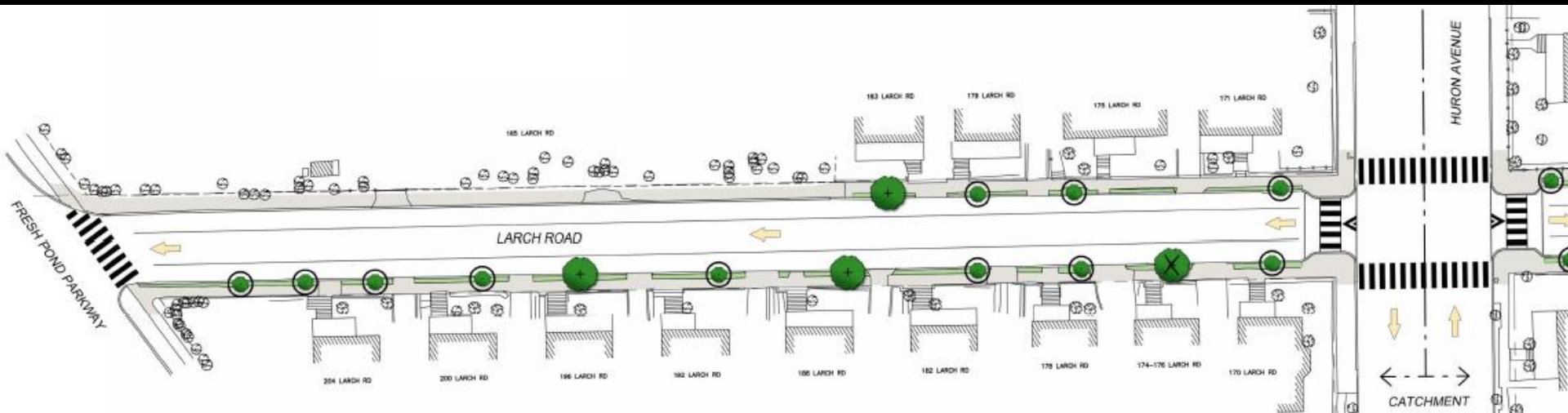
Street Tree Plantings

- Replace trees that have been removed
- 140 new trees to be planted



Street Layouts

Northern Larch Road



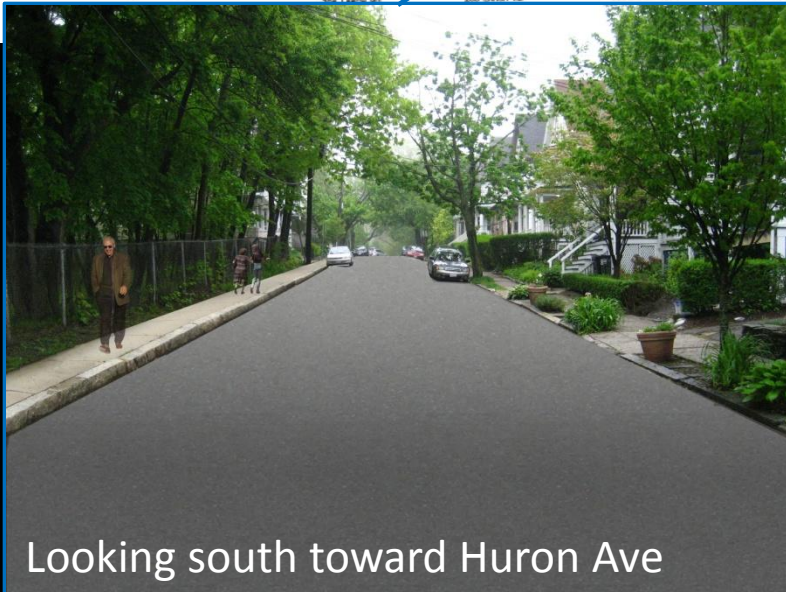
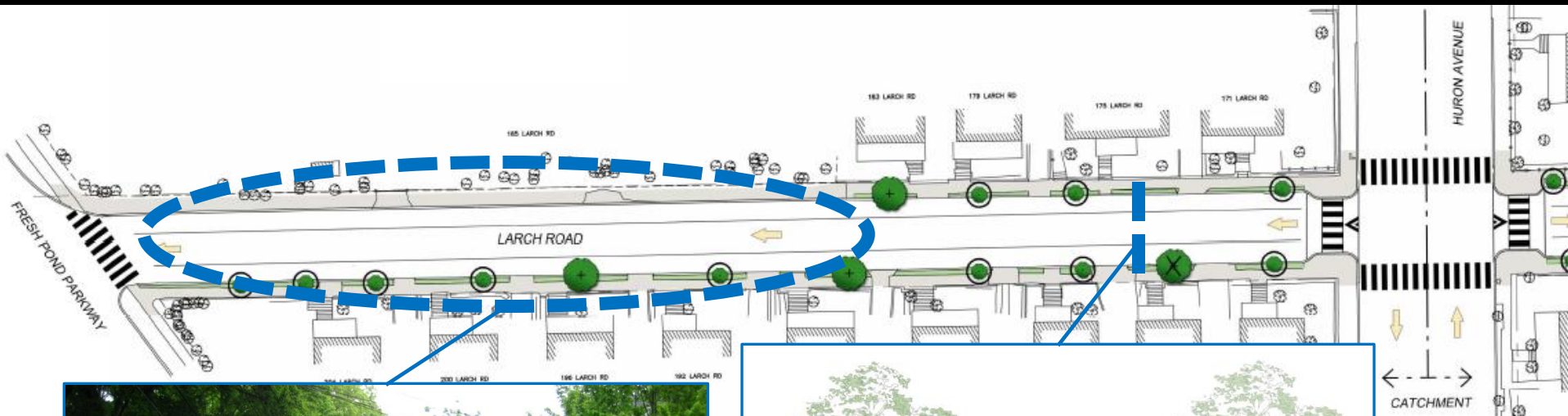
- New sidewalk at BB&N Playing Field
- Curb extensions at Huron Ave. with raised crosswalk at Huron Ave.
- 3 new trees
- Porous pavement
- Loss of Parking: 0 spaces

LEGEND

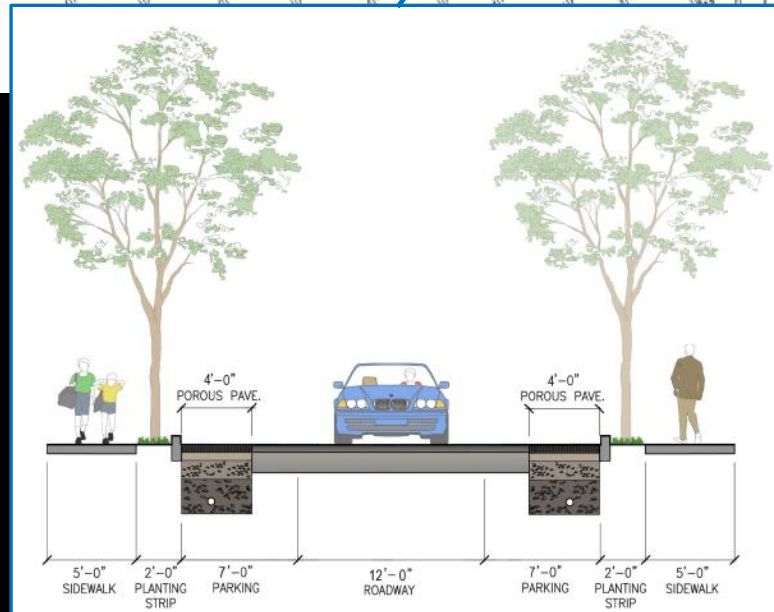
	PROPOSED SIDEWALK		AT-GRADE CROSSWALK
	PROPOSED RAIN GARDEN		RAISED CROSSWALK
	PROPOSED LAWN AREA		EXISTING TREE TO REMAIN
	TRAFFIC LANE DIRECTION		REMOVE AND REPLACE (1)
LARCH ROAD LOSS OF PARKING: 2 TOTAL (0 shown above)			PROPOSED TREE (19 ON LARCH ROAD, 5 IN RAIN GARDENS) (3 shown above)

Street Layouts

Northern Larch Road

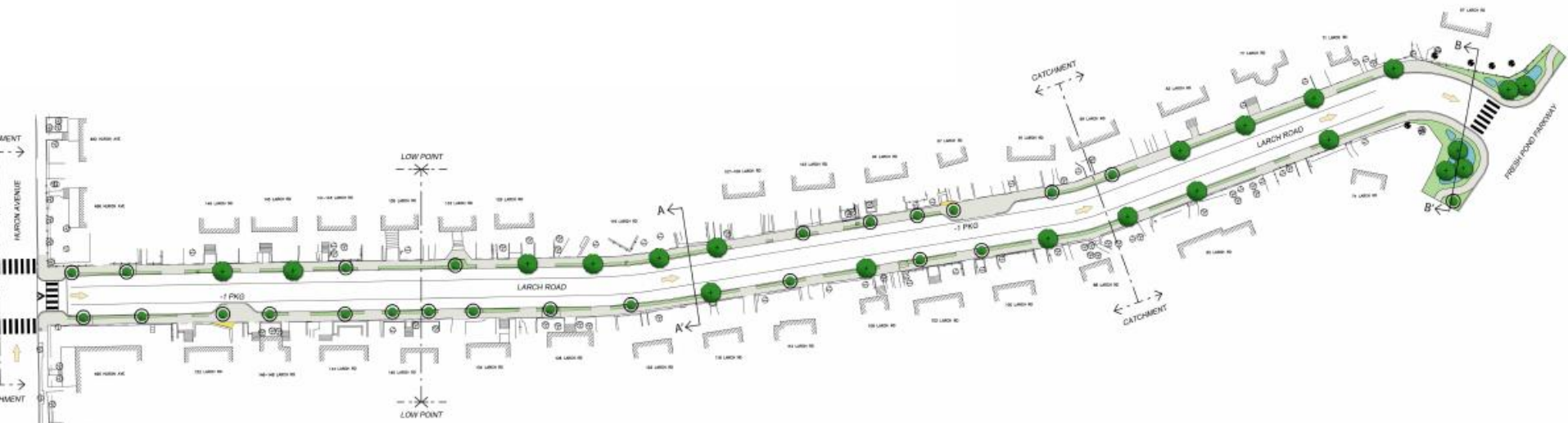


Looking south toward Huron Ave



Street Layouts










Southern Larch Road



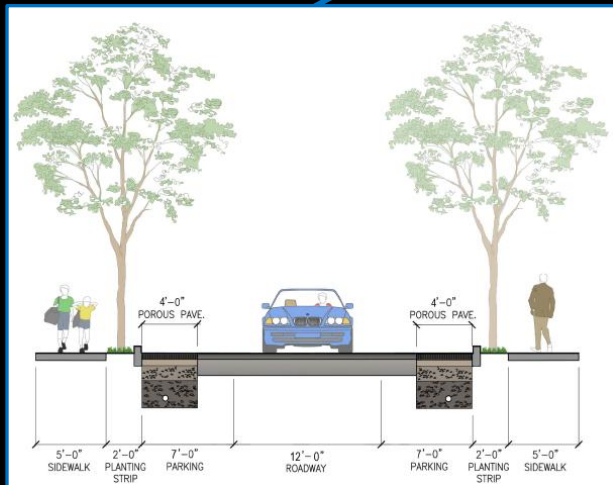
- Curb extensions at Huron Ave. with raised crosswalk
- 21 new trees
- Curb extensions at 97 and 152 Larch for accessibility
- Realign intersection at Fresh Pond Parkway
- Rain gardens at Fresh Pond Parkway
- Porous pavement
- Loss of parking: 2 spaces*

*homeowner negotiation for accessible route at tree (+2)

LEGEND

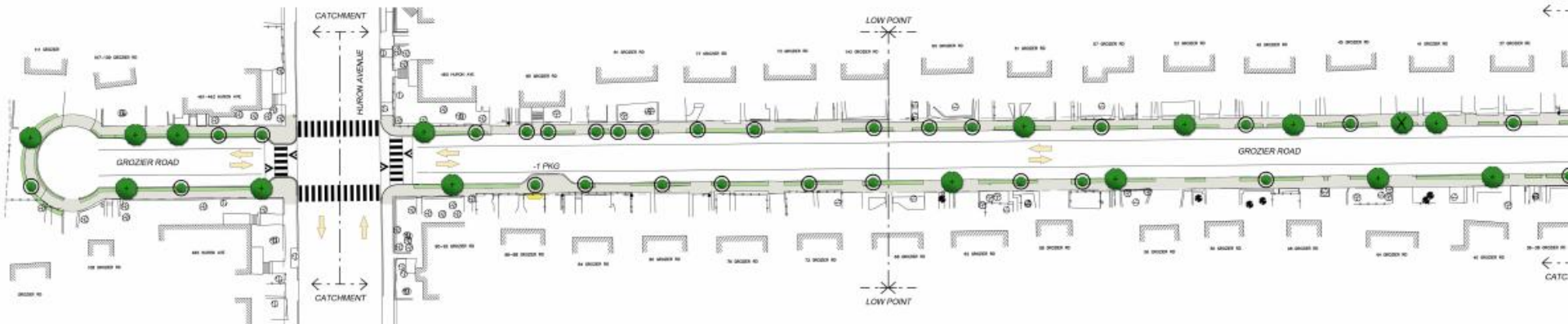
	PROPOSED SIDEWALK		AT-GRADE CROSSWALK
	PROPOSED RAIN GARDEN		RAISED CROSSWALK
	PROPOSED LAWN AREA		EXISTING TREE TO REMAIN
	TRAFFIC LANE DIRECTION		REMOVE AND REPLACE (0)
LARCH ROAD LOSS OF PARKING: 2 TOTAL			PROPOSED TREE (19 ON LARCH ROAD, 5 IN RAIN GARDENS) (16 plus 5 in rain gardens shown above)

Street Layouts Southern Larch Road



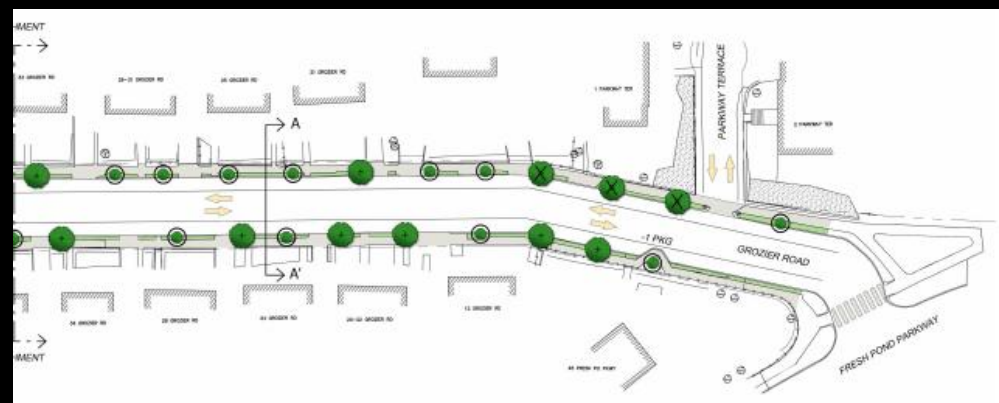
Looking north from Fresh Pond Parkway

Street Layouts Grozier Road



- Curb extensions on north side of Huron Ave.
- Raised crosswalks at Huron Ave.
- Curb extension at 86 Grozier and 45 Fresh Pond Parkway for accessibility
- 23 new trees
- Porous pavement
- Loss of Parking: 2 spaces*

*homeowner negotiation for accessible route at tree (+1)



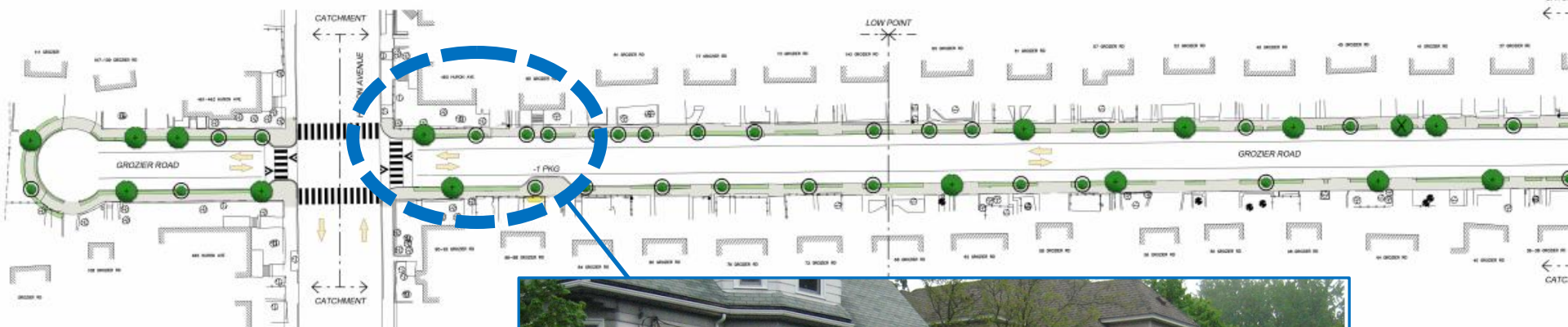
LEGEND

- PROPOSED SIDEWALK
- PROPOSED LAWN AREA
- TRAFFIC LANE DIRECTION

GROZIER ROAD LOSS OF PARKING: 2 TOTAL

- AT-GRADE CROSSWALK
- RAISED CROSSWALK
- EXISTING TREE TO REMAIN
- REMOVE AND REPLACE (4)
- PROPOSED TREE (24)

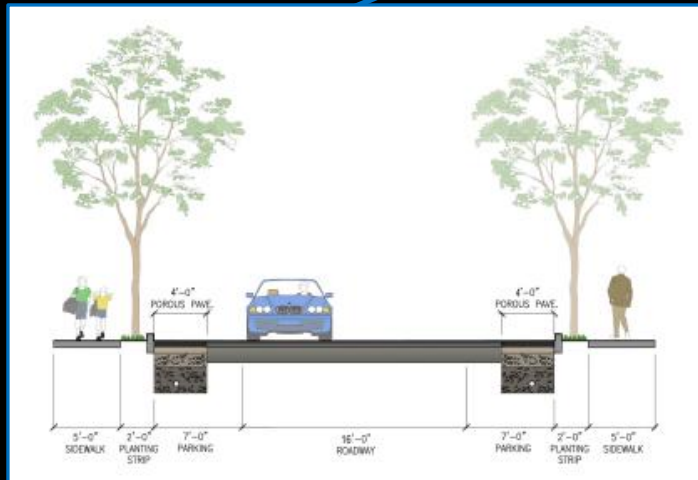
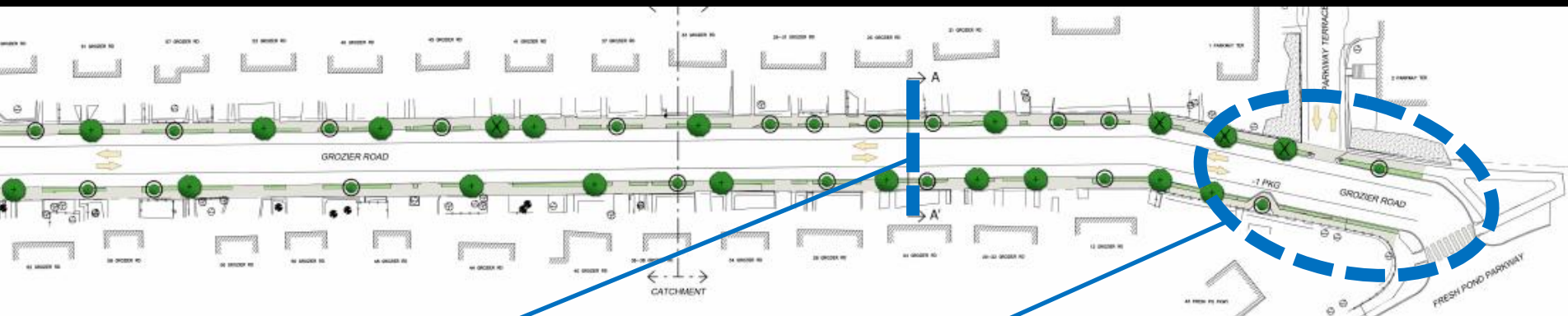
Street Layouts Grozier Road



Looking south from Huron Ave

Street Layouts

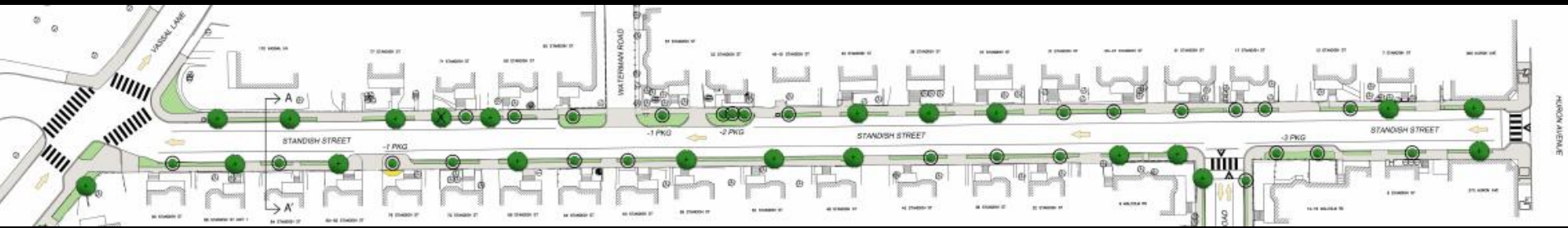
Grozier Road



Looking South to Fresh Pond Parkway










Street Layouts

Standish Street



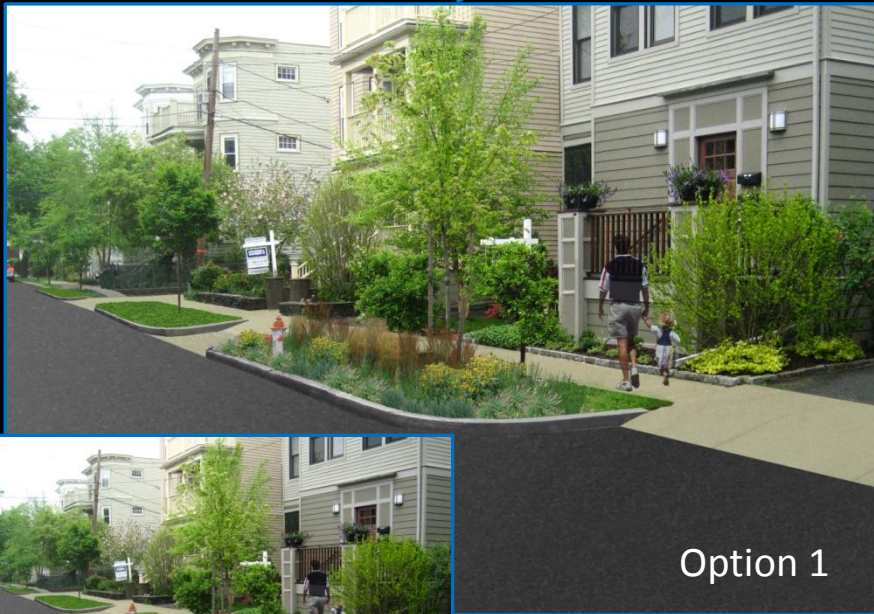
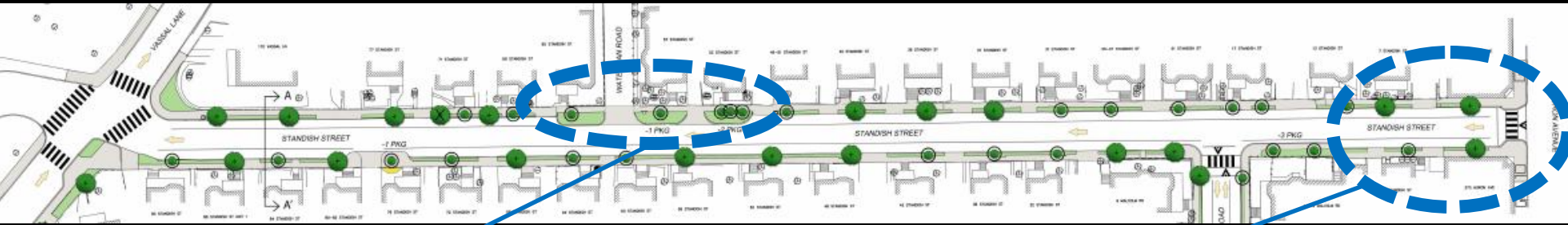
- Reconfigured intersection at Standish and Vassal
- Curb extension at Huron with raised crosswalk
- Curb extension and green space at 53, 57, & 65 Standish
- Curb Extension at 76 Standish* for accessibility
- Curb Extension at 9 and 14-16 Malcolm for accessibility
- 17 new trees
- Green planting areas at Vassal
- Porous pavement
- Loss of Parking: 7 spaces (4 for accessibility)
*for accessible route at tree (+1)

LEGEND

	PROPOSED SIDEWALK		AT-GRADE CROSSWALK
	PROPOSED RAIN GARDEN		RAISED CROSSWALK
	PROPOSED LAWN AREA		EXISTING TREE TO REMAIN
	TRAFFIC LANE DIRECTION		REMOVE AND REPLACE (1)
			PROPOSED TREE (28)

Street Layouts

Standish Street



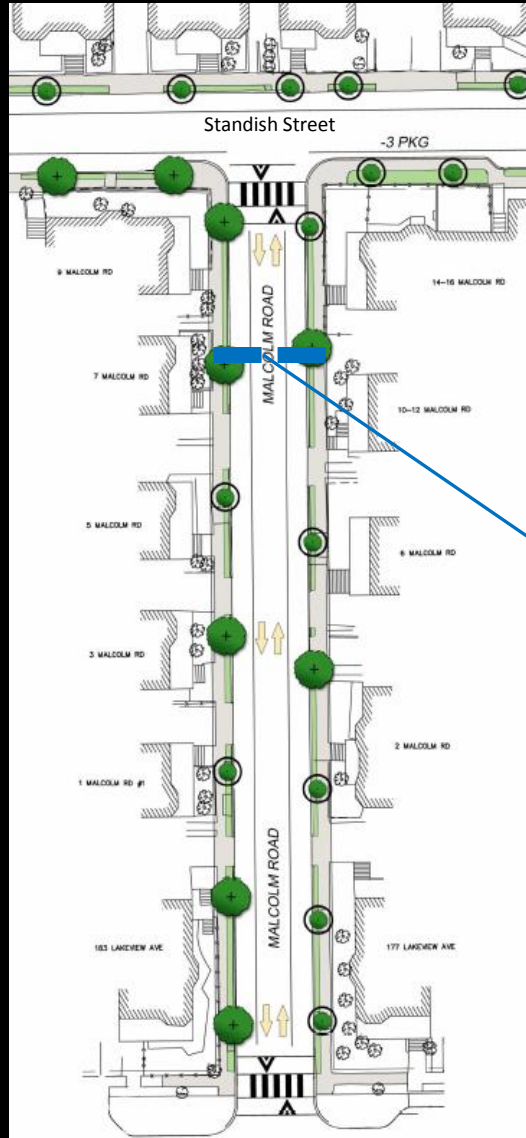
Option 1



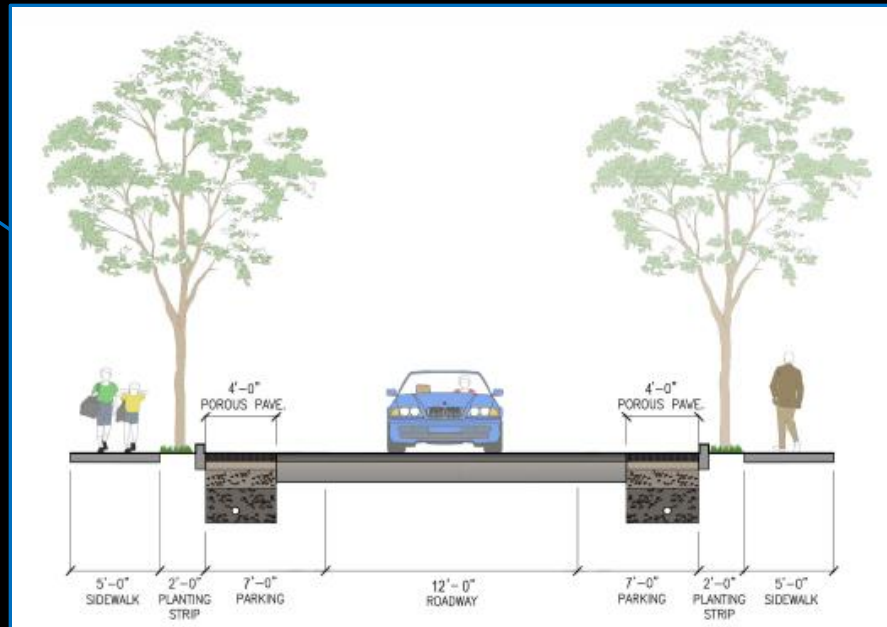
Option 2

Street Layouts

Malcolm Road



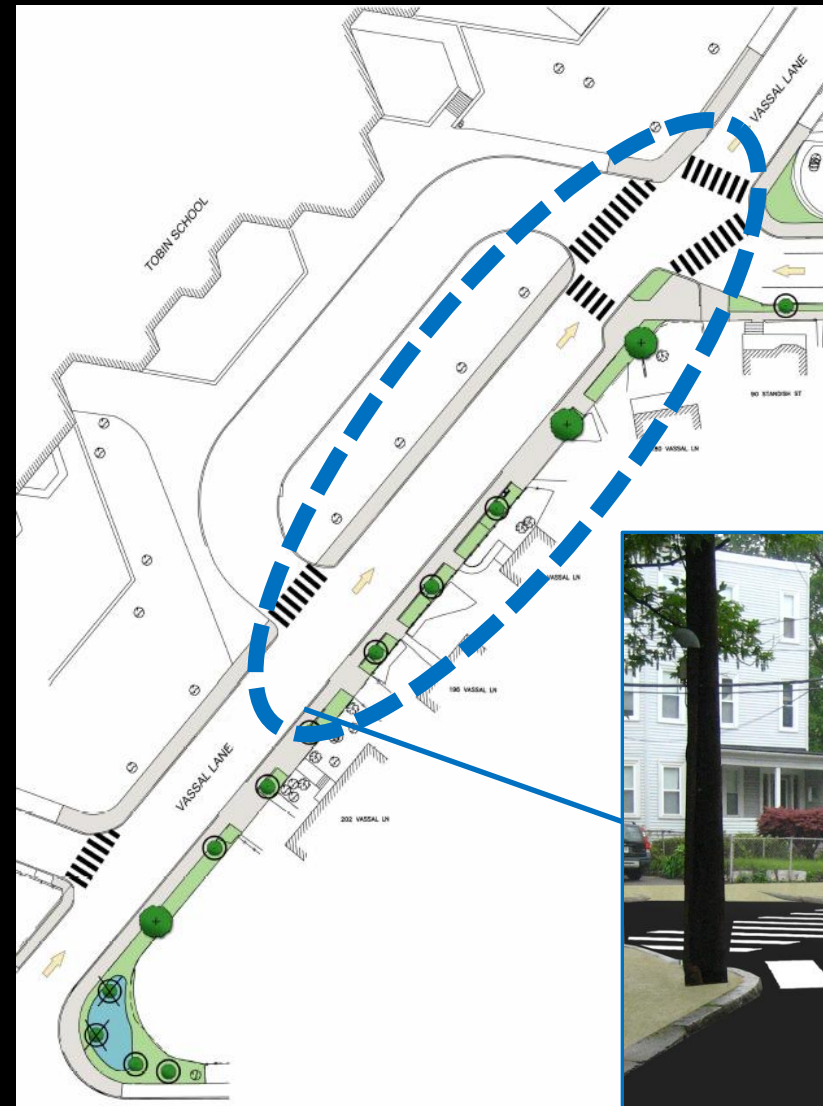
- Raised crosswalks at Lakeview and Standish
- 7 new trees
- Porous pavement
- Loss of Parking: 0 spaces



Street Layouts

Vassal Lane

- Reconfigured intersection at Standish and Vassal
- Curb extension at Standish and Vassal
- Rain Garden at Lakeview and Vassal
- Roadway and sidewalk shifted 5 feet toward school
- Green planting areas behind sidewalk
- 3 new trees
- Porous pavement
- Loss of Parking: 0 spaces



Next Steps

- Design Phase – thru May 2012
 - Final subsurface and surface design
 - Coordination with utility companies
 - Private inflow removal design
- Construction begins Summer 2012
- Next Meeting
 - Construction Kick-off (May/June 2012)

Comments and Questions